

# Memorandum

TAB 76

To: CHAIR AND COMMISSIONERS  
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: September 15, 2011

Reference No.: 2.5e.(1)  
Action Item

From: NORMA ORTEGA  
Chief Financial Officer

Prepared by: Rachel Falsetti  
Division Chief  
Transportation Programming



Subject: **ALLOCATION FOR SUPPLEMENTAL FUNDS FOR PREVIOUSLY VOTED PROJECT  
RESOLUTION FA-11-01**

## **RECOMMENDATION:**

The California Department of Transportation (Department) recommends that the California Transportation Commission (Commission) allocate an additional \$644,000 for one State Highway Operation and Protection Program (SHOPP) project identified below.

## **ISSUE:**

Additional funds are needed for one previously approved project in order to award the construction contract.

## **RESOLUTION:**

Resolved, that \$644,000 be allocated from the Budget Act of 2011, Budget Act Item 2660-302-0042 to provide additional funds to allow the following project to be awarded.

<u>Project</u>	<u>Dist-Co-Rte</u>	<u>Original Allocated Amount</u>	<u>Current Allocation</u>	<u>Allocation Adjustment</u>	<u>Revised Allocation</u>	<u>% Increase Above Current Allocation</u>
1	02-Sha-5	\$2,113,000	\$ 2,113,000	\$644,000	\$2,757,000	30.5%

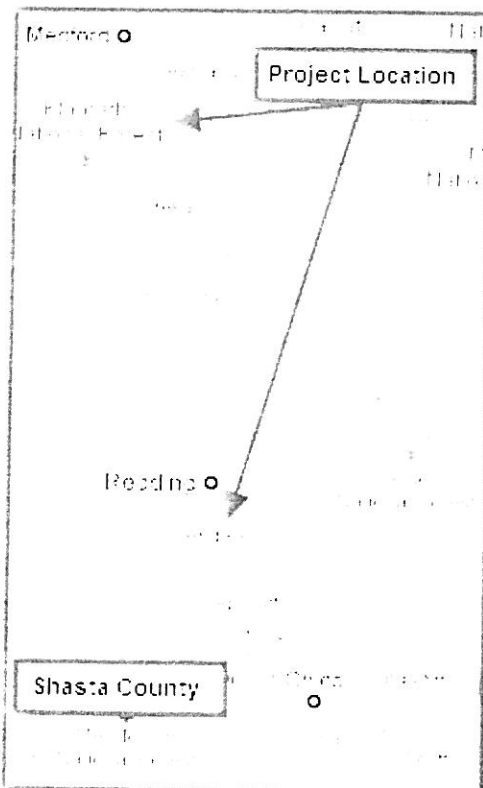
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September 15, 2011  
Page 2 of 4

Project # Allocation Amount Recipient County Dist-Co-Rte Postmile	Location Project Description Reason for Supplemental Funds	PPNO Program Funding Year Item # Fund Type Program Codes Project ID Adv Phase EA	State Federal Current Amount by Fund Type	State Federal Additional Amount by Fund Type	State Federal Revised Amount by Fund Type
<b>2.5e.(1) Supplemental Funds for Previously Voted Projects</b>			<b>Resolution FA-11-01</b>		
1 \$644,000 Department of Transportation Shasta 02-Sha-5 Var	In Shasta County, near Anderson on Route 5 at various locations; also in Siskiyou County, near Yreka at various locations.  <u>Outcome/Output:</u> Rehabilitate nine bridges to repair, preserve and extend the life of the structures.  Supplemental funds needed to award construction contract.  Total Revised Amount: \$2,757,000	02-3427 SHOPP 2009-10 302-0890 FTF 20.20.201.119 0200000583 4 2E3204  SHOPP 2011-12 302-0042 SHA 20.20.201.119	\$2,113,000		\$2,113,000
				\$644,000	\$644,000

**RECOMMENDATION:**

The Department recommends that this request for \$644,000 be approved to allow this project to be awarded.



**PROJECT DESCRIPTION:**

This project is located in Shasta and Siskiyou Counties near Anderson at seven locations: South Anderson Overhead, North Street Undercrossing, Hilltop Drive Overcrossing, Bridge Bay Overcrossing, O'Brien Undercrossing, Upper Salt Creek Undercrossing (Left & Right) and Cottonwood Creek Bridge (Left & Right). This project will rehabilitate these nine bridges by repairing unsound concrete deck, sealing decks with methacrylate, placing polyester concrete overlays, repairing joint seals and upgrading metal beam guard rails.

**FUNDING STATUS:**

The project was programmed in the 2010 State Highway Operations Protection Program (SHOPP) for \$1,776,000 for construction in Fiscal Year (FY) 2010-11 and was voted for \$2,113,000 in May 2011. Bids for this project were opened on July 19, 2011. Three bids were received for this project. The amount needed to award the contract, based on the lowest bidder, is \$2,757,000. This request for \$644,000 in supplemental funds results in an overall increase of 30.5 percent over the original vote amount. This contract will be awarded upon approval of this supplemental funds request.

**REASONS FOR COST INCREASE:**

The Department performed a bid analysis to evaluate the differences between the Engineer's Estimate and the contract bid items. The contract has 48 bid items. Nine of these bid items have significant cost differences. These items are Structural Concrete (Approach Slab), Bar Reinforcing Steel, Mobilization, Remove Asphalt Concrete Surfacing, Bridge Removal (Portion, Location D), Remove Reinforced Portland Cement Concrete Overlay, Cold Plane Asphalt Concrete Pavement, Drill and Bond Dowel, and Hot Mix Asphalt.

BID ITEM	ENGINEER'S ESTIMATE	LOW BID	INCREASE
Structural Concrete, Approach Slab (Type R)	\$ 261,800	\$392,700	\$130,900
Bar Reinforcing Steel	76,320	149,460	73,140
Mobilization	188,000	280,000	62,000
Remove Asphalt Concrete Surfacing	30,130	91,700	61,570
Bridge Removal (Portion) Location D	49,600	100,000	50,400
Remove Reinforced Portland Cement Concrete Overlay	9,120	57,600	48,480
Cold Plane Asphalt Concrete Pavement	33,410	77,100	43,690
Drill and Bond Dowel	64,890	108,150	43,260
Hot Mix Asphalt (Type A)	49,300	87,000	37,700
Miscellaneous Adjustments/Contingencies			92,860
TOTAL INCREASE			\$ 644,000

Although the unit pricing used in the Department's estimate was based on the current industry trends, the assumptions made did not accurately address the level of effort and unique nature of this project. This contract contains work at seven bridges that are spread out across two counties, as far as 70 miles apart. The scope of work varies at each location. Multiple locations are labor intensive and the more remote bridges have limited local material availability, resulting in higher costs. In addition, in order to minimize the impact to motorists on Interstate 5, half-width staging is required to minimize disruption to traffic during construction. This staging along with difficult site access at some locations also contributed to the higher costs.

**FUNDING OPTIONS:**

**OPTION A:** Approve this request as presented above for \$644,000 to allow this project to be awarded.

**OPTION B:** Deny this request and direct the Department to down scope the project to remain within the allocated amount. The Department considered this option and determined that reducing the scope of work on this project, and executing another project to complete the deleted work later would result in greater costs and more disruption to the traveling public.

**RECOMMENDED OPTION:**

The Department recommends that this request of \$644,000, as presented in Option A above, be approved to award the project to the low bidder.